



DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39

[Docket No. FAA-2023-0013; Project Identifier MCAI-2022-01085-T; Amendment 39-22384; AD 2023-05-15]

RIN 2120-AA64

Airworthiness Directives; Dassault Aviation Airplanes

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Final rule.

SUMMARY: The FAA is superseding Airworthiness Directive (AD) 2017-09-03 and AD 2018-20-07, which applied to all Dassault Aviation Model MYSTERE-FALCON 50 airplanes. AD 2017-09-03 and AD 2018-20-07 required revising the existing maintenance or inspection program, as applicable, to incorporate new or more restrictive airworthiness limitations. This AD was prompted by a determination that new or more restrictive airworthiness limitations are necessary. This AD continues to require the actions in AD 2018-20-07 and requires revising the existing maintenance or inspection program, as applicable, to incorporate new or more restrictive airworthiness limitations, as specified in a European Union Aviation Safety Agency (EASA) AD, which is incorporated by reference. The FAA is issuing this AD to address the unsafe condition on these products.

DATES: This AD is effective [INSERT DATE 35 DAYS AFTER DATE OF PUBLICATION IN THE FEDERAL REGISTER].

The Director of the Federal Register approved the incorporation by reference of a certain publication listed in this AD as of [INSERT DATE 35 DAYS AFTER DATE OF PUBLICATION IN THE FEDERAL REGISTER].

The Director of the Federal Register approved the incorporation by reference of a certain other publication listed in this AD as of November 7, 2018 (83 FR 49789, October 3, 2018).

ADDRESSES:

AD Docket: You may examine the AD docket at [regulations.gov](https://www.regulations.gov) under Docket No. FAA-2023-0013; or in person at Docket Operations between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The AD docket contains this final rule, the mandatory continuing airworthiness information (MCAI), any comments received, and other information. The address for Docket Operations is U.S. Department of Transportation, Docket Operations, M-30, West Building Ground Floor, Room W12-140, 1200 New Jersey Avenue SE, Washington, DC 20590.

Material Incorporated by Reference:

- For the EASA AD incorporated by reference in this AD, contact EASA, Konrad-Adenauer-Ufer 3, 50668 Cologne, Germany; telephone +49 221 8999 000; email ADs@easa.europa.eu; website easa.europa.eu. You may find this material on the EASA website at ad.easa.europa.eu.

- For Dassault Falcon 50/50EX service information incorporated by reference in this AD, contact Dassault Falcon Jet Corporation, Teterboro Airport, P.O. Box 2000, South Hackensack, NJ 07606; telephone 201-440-6700; website dassaultfalcon.com.

- You may view this material at the FAA, Airworthiness Products Section, Operational Safety Branch, 2200 South 216th St., Des Moines, WA. For information on the availability of this material at the FAA, call 206-231-3195. It is also available in the AD docket at [regulations.gov](https://www.regulations.gov) under Docket No. FAA-2023-0013.

FOR FURTHER INFORMATION CONTACT: Tom Rodriguez, Aerospace Engineer, Large Aircraft Section, International Validation Branch, FAA, 2200 South 216th St., Des Moines, WA 98198; telephone 206-231-3226; email tom.rodriguez@faa.gov.

SUPPLEMENTARY INFORMATION:

Background

The FAA issued a notice of proposed rulemaking (NPRM) to amend 14 CFR part 39 to supersede AD 2017-09-03, Amendment 39-18865 (82 FR 21467, May 9, 2017) (AD 2017-09-03) and AD 2018-20-07, Amendment 39-19441 (83 FR 49789, October 3, 2018) (AD 2018-20-07). AD 2017-09-03 and AD 2018-20-07 applied to all Dassault Aviation Model MYSTERE-FALCON 50 airplanes. AD 2017-09-03 and AD 2018-20-07 required revising the existing maintenance or inspection program, as applicable, to incorporate new or more restrictive airworthiness limitations. The FAA issued AD 2017-09-03 and AD 2018-20-07 to address reduced structural integrity of the airplane.

AD 2018-20-07 specifies that accomplishing the revision required by that AD terminates all requirements of AD 2017-09-03. AD 2018-20-07 also specifies that it terminates the requirements of AD 2010-26-05, Amendment 39-16544 (75 FR 79952, December 21, 2010) (AD 2010-26-05) and AD 2012-02-18, Amendment 39-16941 (77 FR 12175, February 29, 2012) (AD 2012-02-18) for certain Dassault Aviation Model MYSTERE-FALCON 50 airplanes. AD 2012-02-18 has since been removed (84 FR 11640, March 28, 2019). This AD therefore supersedes AD 2017-09-03 and terminates the requirements of AD 2010-26-05 for Dassault Aviation Model MYSTERE-FALCON 50 airplanes only.

The NPRM published in the *Federal Register* on January 13, 2023 (88 FR 2292). The NPRM was prompted by AD 2022-0166, dated August 11, 2022, issued by EASA, which is the Technical Agent for the Member States of the European Union (EASA AD 2022-0166) (also referred to as the MCAI). The MCAI states that new or more restrictive airworthiness limitations have been developed.

You may examine the MCAI in the AD docket at [regulations.gov](https://www.regulations.gov) under Docket No. FAA-2023-0013.

In the NPRM, the FAA proposed to continue to require the actions in AD 2018-20-07 and to require revising the existing maintenance or inspection program, as applicable, to incorporate new or more restrictive airworthiness limitations, as specified in EASA AD 2022-0166. The FAA is issuing this AD to address reduced structural integrity of the airplane.

Discussion of Final Airworthiness Directive

Comments

The FAA received no comments on the NPRM or on the determination of the cost to the public.

Conclusion

This product has been approved by the aviation authority of another country and is approved for operation in the United States. Pursuant to the FAA's bilateral agreement with this State of Design Authority, it has notified the FAA of the unsafe condition described in the MCAI referenced above. The FAA reviewed the relevant data and determined that air safety requires adopting this AD as proposed. Accordingly, the FAA is issuing this AD to address the unsafe condition on this product. Except for minor editorial changes, this AD is adopted as proposed in the NPRM. None of the changes will increase the economic burden on any operator.

Related Service Information under 1 CFR Part 51

The FAA reviewed EASA AD 2022-0166. This service information specifies new or more restrictive airworthiness limitations for airplane structures and safe life limits.

This AD also requires Chapter 5-40, Airworthiness Limitations, DGT 113872, Revision 24, dated July 2017, of the Dassault Falcon 50/50EX Maintenance Manual, which the Director of the Federal Register approved for incorporation by reference as of November 7, 2018 (83 FR 49789, October 3, 2018).

This material is reasonably available because the interested parties have access to it through their normal course of business or by the means identified in ADDRESSES

Costs of Compliance

The FAA estimates that this AD affects 239 airplanes of U.S. registry. The FAA estimates the following costs to comply with this AD:

The FAA estimates the total cost per operator for the retained actions from AD 2018-20-07 to be \$7,650 (90 work-hours x \$85 per work-hour).

The FAA has determined that revising the existing maintenance or inspection program takes an average of 90 work-hours per operator, although the agency recognizes that this number may vary from operator to operator. Since operators incorporate maintenance or inspection program changes for their affected fleet(s), the FAA has determined that a per-operator estimate is more accurate than a per-airplane estimate. The FAA estimates the total cost per operator for the new actions to be \$7,650 (90 work-hours x \$85 per work-hour).

Authority for this Rulemaking

Title 49 of the United States Code specifies the FAA's authority to issue rules on aviation safety. Subtitle I, section 106, describes the authority of the FAA Administrator. Subtitle VII: Aviation Programs, describes in more detail the scope of the Agency's authority.

The FAA is issuing this rulemaking under the authority described in Subtitle VII, Part A, Subpart III, Section 44701: General requirements. Under that section, Congress charges the FAA with promoting safe flight of civil aircraft in air commerce by prescribing regulations for practices, methods, and procedures the Administrator finds necessary for safety in air commerce. This regulation is within the scope of that authority because it addresses an unsafe condition that is likely to exist or develop on products identified in this rulemaking action.

Regulatory Findings

This AD will not have federalism implications under Executive Order 13132. This AD will not have a substantial direct effect on the States, on the relationship between the national government and the States, or on the distribution of power and responsibilities among the various levels of government.

For the reasons discussed above, I certify that this AD:

- (1) Is not a “significant regulatory action” under Executive Order 12866,
- (2) Will not affect intrastate aviation in Alaska, and
- (3) Will not have a significant economic impact, positive or negative, on a substantial number of small entities under the criteria of the Regulatory Flexibility Act.

List of Subjects in 14 CFR Part 39

Air transportation, Aircraft, Aviation safety, Incorporation by reference, Safety.

The Amendment

Accordingly, under the authority delegated to me by the Administrator, the FAA amends 14 CFR part 39 as follows:

PART 39 - AIRWORTHINESS DIRECTIVES

- 1. The authority citation for part 39 continues to read as follows:

Authority: 49 U.S.C. 106(g), 40113, 44701.

§ 39.13 [Amended]

- 2. The FAA amends § 39.13 by:

- a. Removing Airworthiness Directive (AD) 2017-09-03, Amendment 39-18865 (82 FR 21467, May 9, 2017) and AD 2018-20-07, Amendment 39-19441 (83 FR 49789, October 3, 2018); and

- b. Adding the following new airworthiness directive:

2023-05-15 Dassault Aviation: Amendment 39-22384; Docket No. FAA-2023-0013; Project Identifier MCAI-2022-01085-T.

(a) Effective Date

This airworthiness directive (AD) is effective [INSERT DATE 35 DAYS AFTER DATE OF PUBLICATION IN THE FEDERAL REGISTER].

(b) Affected ADs

(1) This AD replaces AD 2017-09-03, Amendment 39-18865 (82 FR 21467, May 9, 2017) (AD 2017-09-03) and AD 2018-20-07, Amendment 39-19441 (83 FR 49789, October 3, 2018) (AD 2018-20-07).

(2) This AD affects AD 2010-26-05, Amendment 39-16544 (75 FR 79952, December 21, 2010) (AD 2010-26-05);

(c) Applicability

This AD applies to all Dassault Aviation Model MYSTERE-FALCON 50 airplanes, certificated in any category.

(d) Subject

Air Transport Association (ATA) of America Code 05, Time Limits/Maintenance Checks.

(e) Unsafe Condition

This AD was prompted by a determination that new or more restrictive airworthiness limitations are necessary. The FAA is issuing this AD to address reduced structural integrity of the airplane.

(f) Compliance

Comply with this AD within the compliance times specified, unless already done.

(g) Retained Revision of the Existing Maintenance or Inspection Program, with No Changes

This paragraph restates the requirements of paragraph (g) of AD 2018-20-07, with no changes. Within 90 days after November 7, 2018 (the effective date of AD 2018-20-07), revise the maintenance or inspection program, as applicable, to incorporate the information specified in Chapter 5-40, Airworthiness Limitations, DGT 113872, Revision

24, dated July 2017, of the Dassault Falcon 50/50EX Maintenance Manual. The initial compliance times for doing the tasks are at the time specified in Chapter 5-40, Airworthiness Limitations, DGT 113872, Revision 24, dated July 2017, of the Dassault Falcon 50/50EX Maintenance Manual, or within 90 days after November 7, 2018, whichever occurs later. Accomplishing the revision of the existing maintenance or inspection program required by paragraph (i) of this AD terminates the requirements of this paragraph.

(h) Retained Restrictions on Alternative Actions and Intervals with No Changes

This paragraph restates the requirements of paragraph (h) of AD 2018-20-07, with no changes. After the maintenance or inspection program has been revised as required by paragraph (g) of this AD, no alternative actions (e.g., inspections) or intervals may be used unless the actions or intervals are approved as an alternative method of compliance (AMOC) in accordance with the procedures specified in paragraph (m)(1) of this AD.

(i) New Revision of the Existing Maintenance or Inspection Program

Except as specified in paragraph (j) of this AD: Comply with all required actions and compliance times specified in, and in accordance with, European Union Aviation Safety Agency (EASA) AD 2022-0166, dated August 11, 2022 (EASA AD 2022-0166). Accomplishing the maintenance or inspection program revision specified in EASA AD 2022-0166 as required by this paragraph terminates the requirements of paragraph (g) of this AD.

(j) Exceptions to EASA AD 2022-0166

(1) The requirements specified in paragraphs (1) and (2) of EASA AD 2022-0166 do not apply to this AD.

(2) Paragraph (3) of EASA AD 2022-0166 specifies revising “the approved AMP” within 12 months after its effective date, but this AD requires revising the existing

maintenance or inspection program, as applicable within 90 days after the effective date of this AD.

(3) The initial compliance time for doing the tasks specified in paragraph (3) of EASA AD 2022-0166 is at the applicable “limitations” and “associated thresholds” as incorporated by the requirements of paragraph (3) of EASA AD 2022-0166, or within 90 days after the effective date of this AD, whichever occurs later.

(4) The provisions specified in paragraphs (4) and (5) of EASA AD 2022-0166 do not apply to this AD.

(5) This AD does not adopt the “Remarks” section of EASA AD 2022-0166.

(k) New Provisions for Alternative Actions and Intervals

After the maintenance or inspection program has been revised as required by paragraph (g) of this AD, no alternative actions (e.g., inspections) or intervals are allowed unless they are approved as specified in the provisions of the “Ref. Publications” section of EASA AD 2022-0166.

(l) Terminating Actions for AD 2010-26-05

Accomplishing the actions required by paragraph (g) or (i) of this AD terminates the requirements of AD 2010-26-05 for Dassault Aviation Model MYSTERE-FALCON 50 airplanes only.

(m) Additional AD Provisions

The following provisions also apply to this AD:

(1) *Alternative Methods of Compliance (AMOCs)*: The Manager, International Validation Branch, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. In accordance with 14 CFR 39.19, send your request to your principal inspector or responsible Flight Standards Office, as appropriate. If sending information directly to the International Validation Branch, send it to the attention of the person identified in paragraph (n) of this AD. Information may be

emailed to: 9-AVS-AIR-730-AMOC@faa.gov. Before using any approved AMOC, notify your appropriate principal inspector, or lacking a principal inspector, the manager of the responsible Flight Standards Office.

(2) *Contacting the Manufacturer*: For any requirement in this AD to obtain instructions from a manufacturer, the instructions must be accomplished using a method approved by the Manager, International Validation Branch, FAA; or EASA; or Dassault Aviation's EASA Design Organization Approval (DOA). If approved by the DOA, the approval must include the DOA-authorized signature.

(n) Additional Information

For more information about this AD, contact Tom Rodriguez, Aerospace Engineer, Large Aircraft Section, International Validation Branch, FAA, 2200 South 216th St., Des Moines, WA 98198; telephone 206-231-231-3226; email tom.rodriguez@faa.gov.

(o) Material Incorporated by Reference

(1) The Director of the Federal Register approved the incorporation by reference (IBR) of the service information listed in this paragraph under 5 U.S.C. 552(a) and 1 CFR part 51.

(2) You must use this service information as applicable to do the actions required by this AD, unless this AD specifies otherwise.

(3) The following service information was approved for IBR on [INSERT DATE 35 DAYS AFTER DATE OF PUBLICATION IN THE FEDERAL REGISTER].

(i) European Union Aviation Safety Agency (EASA) AD 2022-0166, dated August 11, 2022.

(ii) [Reserved]

(4) The following service information was approved for IBR on November 7, 2018 (83 FR 49789, October 3, 2018).

(i) Chapter 5-40, Airworthiness Limitations, DGT 113872, Revision 24, dated July 2017, of the Dassault Falcon 50/50EX Maintenance Manual.

(ii) [Reserved]

(5) For EASA AD 2022-0166, contact EASA, Konrad-Adenauer-Ufer 3, 50668 Cologne, Germany; telephone +49 221 8999 000; email ADs@easa.europa.eu; website easa.europa.eu. You may find this EASA AD on the EASA website at ad.easa.europa.eu.

(6) For Dassault Falcon 50/50EX service information, contact Dassault Falcon Jet Corporation, Teterboro Airport, P.O. Box 2000, South Hackensack, NJ 07606; telephone 201-440-6700; website dassaultfalcon.com.

(7) You may view this material at the FAA, Airworthiness Products Section, Operational Safety Branch, 2200 South 216th St., Des Moines, WA. For information on the availability of this material at the FAA, call 206-231-3195.

(8) You may view this material that is incorporated by reference at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, email fr.inspection@nara.gov, or go to: www.archives.gov/federal-register/cfr/ibr-locations.html.

Issued on March 9, 2023.

Christina Underwood, Acting Director,
Compliance & Airworthiness Division,
Aircraft Certification Service.

[FR Doc. 2023-07751 Filed: 4/12/2023 8:45 am; Publication Date: 4/13/2023]